Opportunities for Industry

Colonel David Karcher
Director, Joint Non-Lethal Weapons Directorate

Today's Themes

- *Highlighted* the importance of NLW's to the warfighter
  - *NLWs have and will save lives*
- *Showed* the span of non-lethal technologies and the types of capabilities the DoD is currently exploring
  - *Human Effects are important!*
- *Revealed* the growing interest and awareness at the OSD level on the role and importance of non-lethal weapons
  - *Common agreement: Non-lethal weapons must move beyond bean bag rounds into advanced technology*

DoD NLW Definition

"Weapons that are explicitly designed and primarily employed so as to ***incapacitate personnel or materiel***, while ***minimizing fatalities***, permanent injury to personnel, and ***undesired damage*** to property and the environment."

Non-Lethal Weapons Core Capabilities

Counter Personnel

- Deny Access
- Clear Facilities
- Crowd Control
- Incapacitate

Counter Material

- Area Denial *air, land, sea*
- Disable / Neutralize Equipment & Facilities

UNCLASSIFIED

3

NLW Are Increasingly Relevant Across the Spectrum of Conflict

NLWs allow the political & warfighting leadership critical options for conducting operations in the 21st century

MILITARY PRESENCE — **CAPABILITY GAP** — **LETHAL FORCE**

Force Continuum

Deter
Defeat

Target selected individuals

Clear facilities

Dissuade

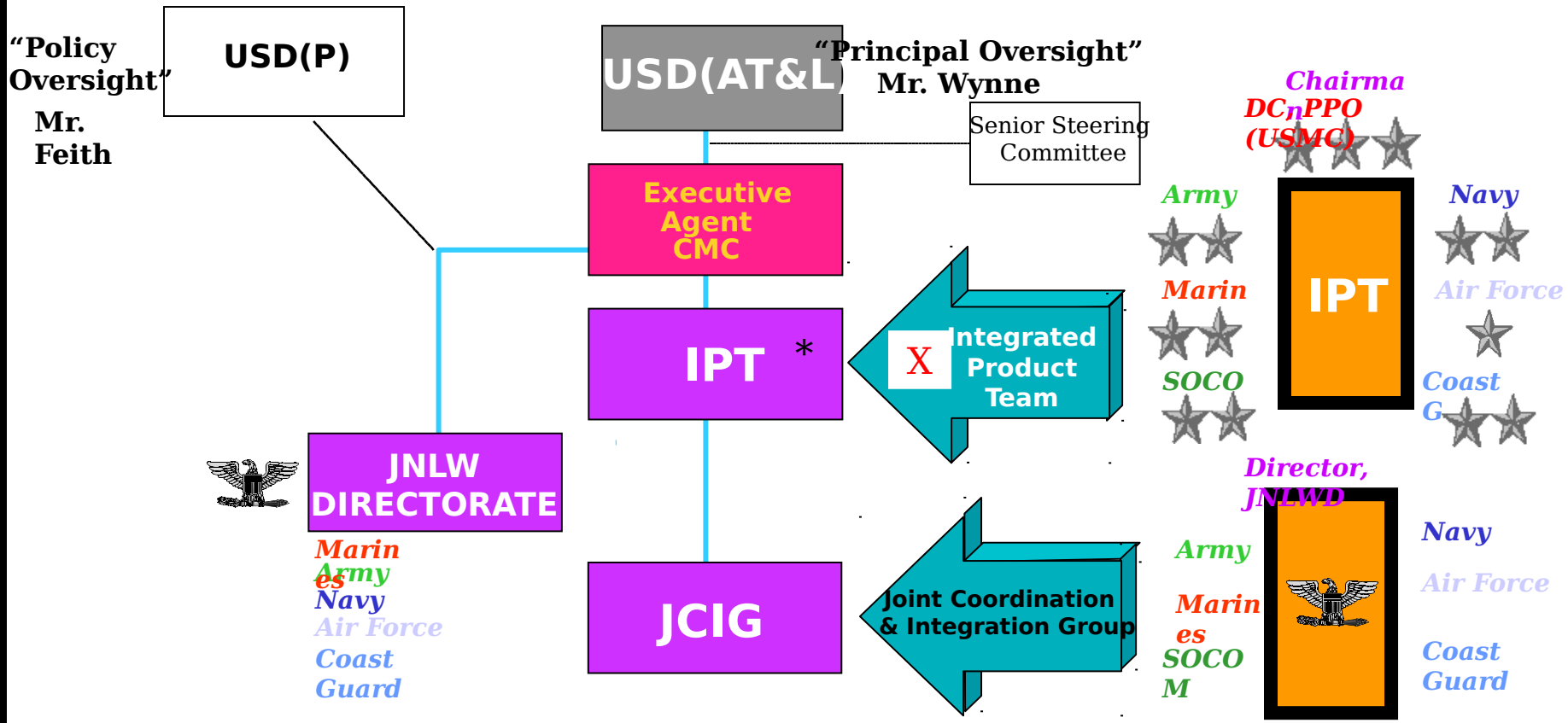
Control group movements

Neutralize without Destroying

UNCLASSIFIED

4

JNLWP Management Structure



X ting Members -OSD, DOS, DOJ, DOE Combatant Commander and Joint Sta

Integrated Product Team provides guidance and approves JNLWP budget

UNCLASSIFIED

Roles of the Joint Non-Lethal Weapons Directorate

- To serve as the DoD focal point for matters pertaining to NLWs

- To integrate Services's NLW efforts

- To leverage developing/emerging technologies that have application across the spectrum of war

- To conduct liaison with industry, academia, other US government agencies, and other nations

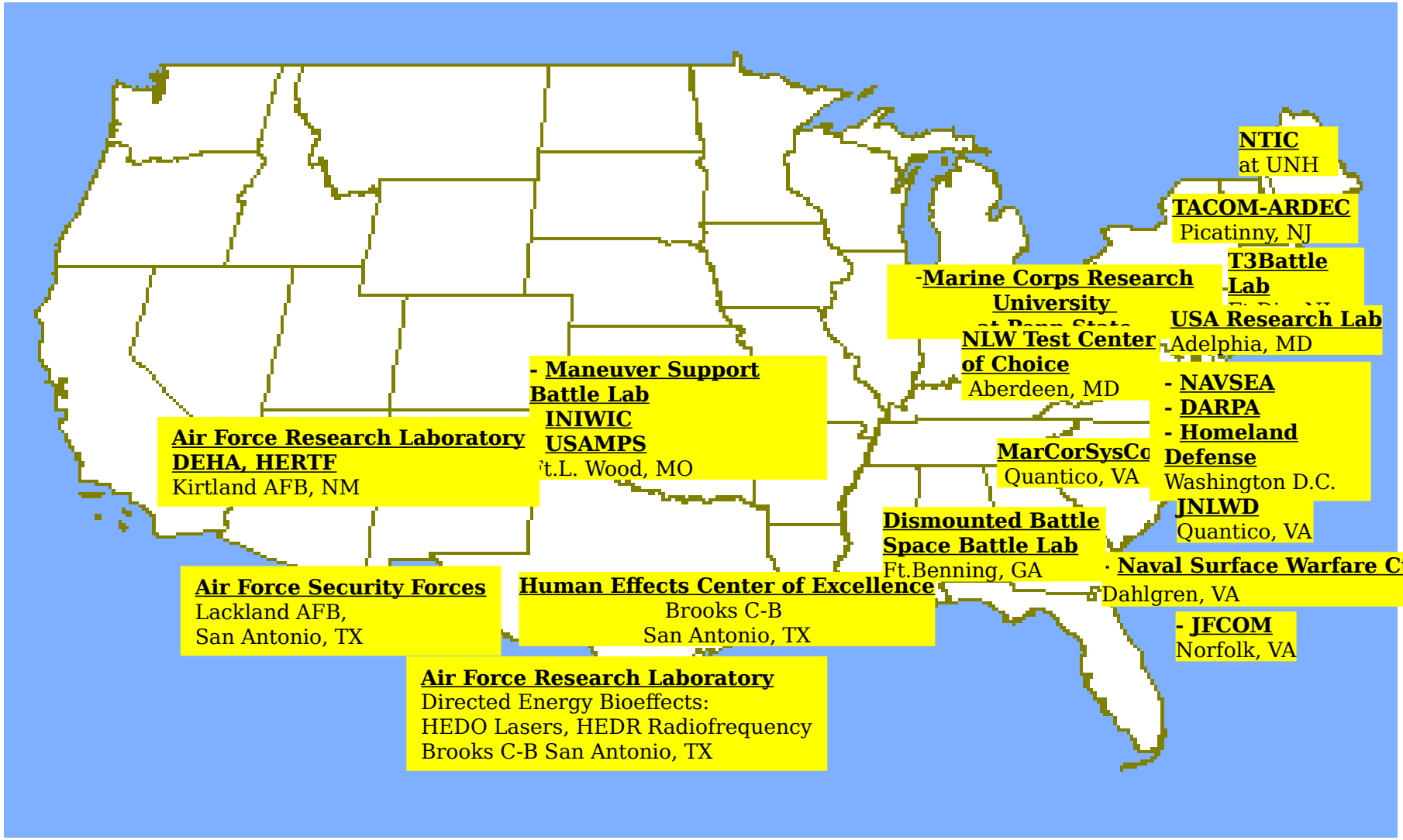
- To conduct the day-to-day management activities of the JNLW Program

UNCLASSIFIED

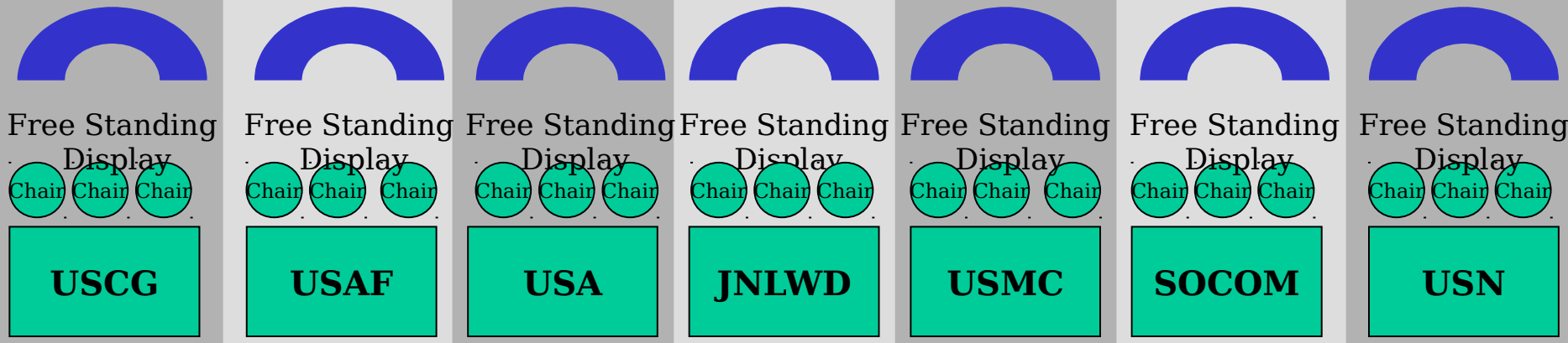
How Industry Can Help

- *Understanding* our need
- *Creating* new and innovative concepts
- *Educating* the DoD NLW Community on applicable Industry capabilities
- *Submitting* white papers, proposals to the DoD NLW Community

The DoD NLW Community



Meet the DoD NLW Community



Industry Opportunity: JNLW Technology Investment Program (TIP)

- Purpose: Identify new technology solutions to meet current or future non-lethal mission needs and requirements
- Process:
  - Annual or biennial solicitation
  - Topics are based on Service priorities
  - Focuses on 1-2 year efforts to explore promising concepts / technologies
  - Provides Technology Push for novel NLW solutions
- Successful TIP Efforts
  - Can transition into new programs or be incorporated into existing programs

Current TIP Solicitation

- Released: 31 October 03
- Closes: 01 December 03
- Solicitation Topics:
  - Critical Counter-Personnel Needs:
    - Deny area to personnel in an urban / suburban /aquatic environment,
    - Clear a facility without entering,
    - Separate combatants from non-combatants, and
    - Render an individual or group incapable of performing an activity
  - Critical Counter-Vehicle Needs:
    - Stop a vehicle in an urban / suburban environment at range,
    - Deny access to bridges and,
    - Stop water surface and sub-surface vessels

TIP Solicitation Information

- Links to the TIP BAA with detailed submission instructions:
  - www.fedbizopps.net or
  - www.jnlwd.usmc.mil
- Solution focus must include:
  - Proposed non-lethal payload,
  - Target effects, and
  - Effectiveness in addressing warfighter needs
- Proposals that address delivery systems or methods, without detailed consideration to the non-lethal payload, its effects and effectiveness, will not be considered for award.

Human Effects are Important!

Summary

Non-lethal Weapons are a new and emerging capability for the DoD

Industry's help is needed in bringing this important capability to the warfighter

"If war is forced upon us, we will fight in a just cause and by just means – sparing, in every way we can, the innocent."
(President George W. Bush)

"The principle that civilians must be protected lies at the heart of international law of armed conflict."
(Secretary Donald Rumsfeld)

"The development and acquisition of non-lethal weapons systems will expand the number of options to commanders confronted with situations in which the use of deadly force is inappropriate."
(General Michael Hagee, Commandant, USMC)